

**APPARATUS FOR PROMOTING BONE GROWTH, ESPECIALLY FOR
OSTEOSYNTHESIS OF BONE FRAGMENTS AND/OR FIXATION OF BONE
FRACTURES**

Abstract

Apparatus for promoting bone growth, especially for osteosynthesis of bone fragments and/or fixation of bone fractures is described. This apparatus comprises at least one piezoelectric element, which is associated with an implant or like bone fixation means and which, under the action of forces, generates electrical pulses which serve as a stimulant for bone growth. The at least one piezoelectric element is an integral component of the implant.